

**FAX**

New York State
Department of Environmental Conservation
Region 9

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FROM: ABUL BARKAT, NYS DEC

MESSAGE: AS YOU ASKED, UPDATED REPORT
OF FRONTIER PENDLETON SITE IS
ATTACHED, REVISION IS HAND WRITTEN,

ABUL

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FRONTIER CHEMICAL, PENDLETON

Site # 67

Site Program: N.Y. Division of Hazardous Waste Remediation**Summary Prepared by: DEC**Site Description

The Frontier Chemical site in the Town of Pendleton occupies about ²¹~~70~~ acres adjacent to Bull Creek, approximately 4 1/4 miles inland from the Niagara River.

Approximately 7.5 acres of the site were used for treatment and disposal of hazardous wastes. From about 1958 to 1974, Frontier Chemical used the site for processing, storage and burial of industrial and hazardous wastes. Unknown volumes of solvents, oils, acids, dyes, paint wastes, heavy metal sludges, and other wastes were handled on the site. An on-site lake was used for disposal of metal salt sludges from the neutralization of plating wastes and pickling liquors.

The site consists of various amounts of fill underlain by glaciolacustrine silty clay to a depth 20 to 30 feet. The silty clay is underlain by glacial till and then bedrock, which is believed to be Lockport Dolomite. Shallow groundwater on the site flows radially from the site, very slowly, with some discharge to the on-site lake.

Site Investigation

DEC completed a remedial investigation/feasibility study (RI/FS) of the site using State Hazardous Waste Remediation Program funds. The Record of Decision (ROD) was finalized in March 1992. The remedial design completed in May 1995 calls for the following: dredging and stabilization of contaminated lake sediments; consolidation of lake sediments and contaminated soils on the process/fill area; collection, treatment, and disposal of contaminated groundwater; capping of the site; physical controls for run-on, run-off and flow from the lake; long term monitoring. A Consent Order requiring a group of Potentially Responsible Parties (PRPs) to implement the selected remedy has been executed.

Remedial Actions

Remedial construction began in June 1995. Quarry Lake was dewatered and contaminated sediments were removed, stabilized, and consolidated into the onsite landfill. Construction of the landfill cap and leachate collection system is complete. The final completion report, certification and Operation & Maintenance ^(O&M) manual were finalized in March 1997. LONG TERM O&M HAS STARTED AND INCLUDES PUMP AND TREAT OF THE LEACHATE FROM THE SITE. THE O&M OPERATION IS SCHEDULED TO CONTINUE FOR A PERIOD OF 30 YEARS FROM 1997. AT THE END OF EVERY 5 YEARS DURING THIS PERIOD, THOROUGH REVIEW OF THE PROJECT WILL BE DONE TO VERIFY THAT REMEDIATION GOALS ARE BEING ACHIEVED

Remediation Costs

Following are ^{approximate} ~~estimated~~ amounts that have been spent to date on remediating this site:

State \$ ~~1,420,000~~ ^{1,430,000} (of which \$1,326,000 has been repaid by PRPs)
PRP \$ ~~12,500,000~~ ^{14,000,000} *for the O & M*

It is estimated that the following amounts will be spent from now to the ~~completion of~~ ^{remediation for next 30 years}

State \$ 50,000
PRP \$ ~~4,800,000~~ ^{1,800,000}

FRONTIER CHEMICAL, FENDLETON

Output	Responsible Party	Previous Target Date	Current Schedule
RI/FS	DEC	Dec 1991	COMPLETED
Record of Decision	DEC	Mar 1992	COMPLETED
Remedial Design	PRPs	May 1994	COMPLETED
Remedial Action	PRPs	May 1995	COMPLETED